Binary Tree Pruning (View)

Given the `root` of a binary tree, return *the same tree where every subtree (of the given tree) not containing a* `1` *has been removed.*

A subtree of a node `node` is `node` plus every node that is a descendant of `node`.

Example 1:


```
Input: root = [1,null,0,0,1]
```

```
Output: [1,null,0,null,1]
```

```
Explanation:
```

```
Only the red nodes satisfy the property "every subtree not containing a 1".
```
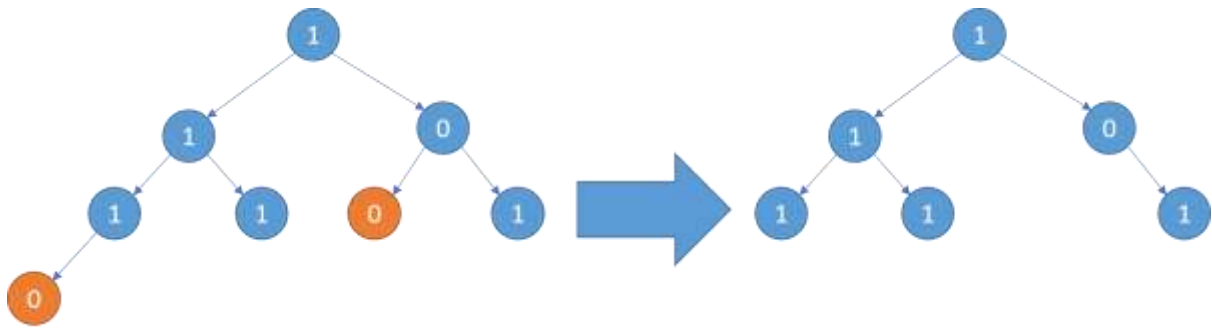
```
The diagram on the right represents the answer.
```

Example 2:


```
Input: root = [1,0,1,0,0,0,1]
```

```
Output: [1,null,1,null,1]
```

Example 3:


```
Input: root = [1,1,0,1,1,0,1,0]

Output: [1,1,0,1,1,null,1]
```

Constraints:

- The number of nodes in the tree is in the range [1, 200].
- Node.val is either 0 or 1.